

Environmental surveys

project consultations
for building permits

marine habitat and
population monitoring

development of expert
surveys for EIA reports

inventory surveys of
the marine environment

obtainment of
environmental
consent decisions

development of
environmental
conditions assessments

analysis of the state of
the marine environment
and its resources

development
of environmental
impact assessments

Seabed inspections

Cable and pipeline inspections

Inspections of support structures
and foundations

Marine area monitoring at every
phase of the project

Inventory surveys for resource
planning and management

Monitoring of the quality and status
of marine waters during the surveys



Our strength lies in people

We offer a wide range of professional services in the field of environmental surveys as well as comprehensive support throughout the planning and implementation phases of offshore projects. Our marine environment monitoring services encompass the characteristics of abiotic and biotic components, including habitats, natural resources and organisms associated with the marine ecosystem.

The scope of our services extends from marine surveys and environmental sampling to a detailed analysis of the data obtained, comprising interpretation and visualisation. We provide our Clients with expert and professional support at every stage of project implementation, particularly during the pre-investment, construction, operation or decommissioning phases of offshore investments. The work of our highly qualified team translates into operational reports, final environmental conditions assessments, environmental impact assessments, as well as environmental permits and decisions obtained.



I SUSTAINABILITY

At MEWO S.A., we focus on delivering work in a sustainable and efficient manner, meeting all international standards required in terms of safety, surveying, and data processing. Our operations are designed to minimise risks and help clients achieve their sustainability goals.

We leverage state-of-the-art equipment and the know-how of experts in such fields as oceanology, marine biology, and hydrography.

I COOPERATION

MEWO S.A. is bound by framework cooperation agreements with the Laboratory of the Maritime Institute at the Gdynia Maritime University, where comprehensive quantitative and qualitative analyses are conducted.

I SAFETY

For more than 20 years, we have been providing the data necessary for planning offshore wind farms, structures and subsea installations, ensuring the highest quality results. All this with our clients in mind - to provide them with reliable studies and thus help make informed decisions regarding the implementation of their planned projects. We are aware that our surveys are essential in the effective planning and design of offshore wind farms, other offshore structures, as well as subsea installations.

I COMPREHENSIVENESS

We offer comprehensive solutions: from conducting desktop studies, planning inspection transects, and designating monitoring and survey points, through performing measurements, to analysing risks and identifying mitigation measures. With our support, clients can handle their projects consciously, efficiently, and sustainably.

Water characteristics and quality

We conduct water quality surveys, analysing factors such as oxygen levels, organic carbon (TOC), pH and alkalinity, nutrient concentrations (nitrogen and phosphates), suspended solids, and hazardous substances (mercury, nickel, lead, cadmium, arsenic, chromium, phenols, cyanides, mineral oils, PAHs, and PCBs). We also determine the radioactivity of caesium and strontium isotopes. Our observations are carried out in accordance with the HELCOM guidelines.

Hydrometeorological measurements

We examine key meteorological conditions (parameters of the near-water layer in open sea areas, wind, temperature, humidity, and pressure) as well as hydrodynamic conditions (wave characteristics, and the speed and direction of water flows. Data are collected continuously thanks to monitoring and weather stations mounted on metocean buoys.

Ambient noise measurements

We use autonomous recorders to measure underwater noise, analysing the impact of such activities as foundation piling or support structure installation on the marine environment. The measurements are conducted in accordance with the guidelines of the Bundesamt für Seeschifffahrt und Hydrographie, also following recommendations of the HELCOM EN-Noise Expert Group (HELCOM 2021).

Monitoring of benthic communities

We perform analyses of benthic communities to characterise habitats, biomass, taxonomic composition, and biodiversity. We collect samples of flora and fauna, analyse macroalgae and macrozoobenthos, and produce photographic and video documentation. Our macrozoobenthos surveys comply with current methodologies adopted by HELCOM.

Monitoring of marine mammals

We use acoustic detectors (C-POD/F-POD) and conduct visual monitoring from vessels, beaches or aircraft to analyse the occurrence of marine mammals, their habitat preferences and seasonal variation. Our marine mammal surveys include the observation of species of higher conservation status, in accordance with the guidelines of the Baltic Marine Environment Protection Commission (HELCOM) and the State Environmental Monitoring (SEM).

Monitoring of avifauna

We conduct visual monitoring including vessel-based bird counts, along with radar surveys of bird movements, and acoustic recording of migratory bird calls. The assessment covers bird species composition, sea area use, abundance, and flight routes. The monitoring also accounts for species featured on the HELCOM Red List of birds.

Monitoring of chiropterofauna

We record acoustic signals of bats within the sea basin surveyed, along transects, and at fixed monitoring points. This allows us to determine their activity, species composition, and migration periods. Our monitoring accounts for strictly protected species, in line with the Bern and Bonn Conventions, as well as with the Agreement on the Conservation of Populations of European Bats (EUROBATS).

Monitoring of ichthyofauna

Through survey catches and hydroacoustic analysis, we verify fish species composition, abundance, biodiversity, and the distribution of key taxa. We also examine the biological characteristics of the species recorded, including their larval stages. Our analyses identify potential feeding, breeding, and migration areas, as well as the environmental preferences of individual species.



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Our Safety Management System

MEWO S.A. continually strives to ensure the highest level of safety in projects implemented both at sea and on land. We are guided by international standards in terms of workflow planning, risk assessment and selection of personal protective equipment.

Integrated Management System

MEWO S.A. pledges to provide services at the highest quality level and to meet the highest standards of occupational health and safety, with full commitment to environmental protection. In order to fulfil this declaration, an Integrated Management System has been implemented in accordance with the requirements of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018, certified by the DNV certification body. The system is continuously monitored, improved, developed and managed.

Focused on sustainable development, natural environment and corporate social responsibility, MEWO S.A. operates in accordance with the guidelines of ISO 26000. In line with the sustainable development strategy adopted, we strive to integrate business activities and values, thanks to which the needs of all stakeholders, clients, employees, communities and the environment are reflected in the Company's policies and activities. We make every effort to ensure that all business operations are conducted in an ethical and sustainable manner.

Policies established at MEWO S.A.:

- Quality Policy
- Environmental Protection Policy
- Occupational Health and Safety Policy
- Alcohol and Drug Policy
- Compliance Policy
- MEWO S.A. Code of Ethics
- Human Rights Policy
- ESG Strategy
- Sustainable Development Policy